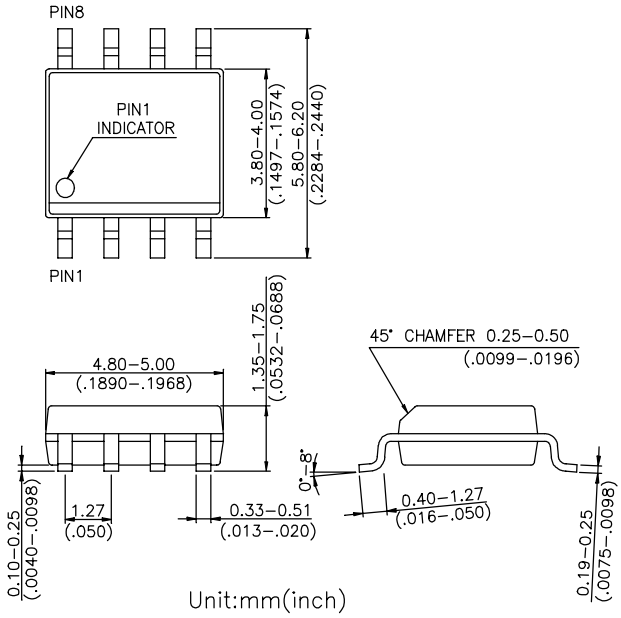
查询HWS2152供应商

Features

- **Frequency Range: DC - 2.0 GHz**
- **Reflective Type**
- **Low Power Consumption**
- **High Power Handling Capability**
- **Positive or Negative Control Voltage**
- **Low Cost Surface Mount SO-8 Package**

SOP-8



Description

The HWS 2152 is an integrated GaAs SPDT Switch designed for transceivers operating in 1MHz to 2500 MHz frequency range. It is suitable for 900 MHz cellular phones, CT1, CT2, DECT, and Wireless LAN applications.

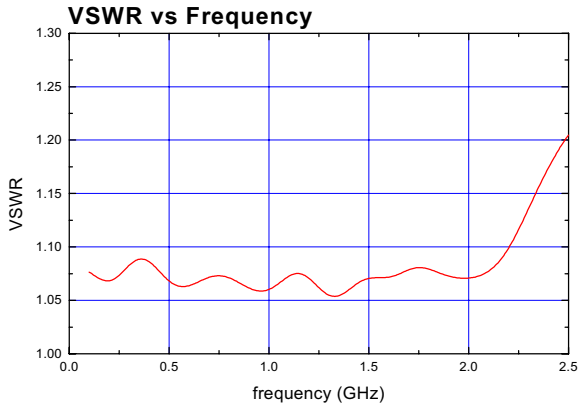
Electrical Specifications at 25°C with 0/+5V Control Voltages

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Insertion Loss	DC-1.0GHz DC-2.0GHz		0.6 0.8	0.8 1.0	dB dB
Isolation	DC-1.0GHz DC-2.0GHz	25 24	27 26		dB dB
VSWR	DC-1.0GHz DC-2.0GHz		1.25:1 1.35:1	1.30:1 1.40:1	
Input Power for one dB Compression	>100 MHz	25	27		dBm

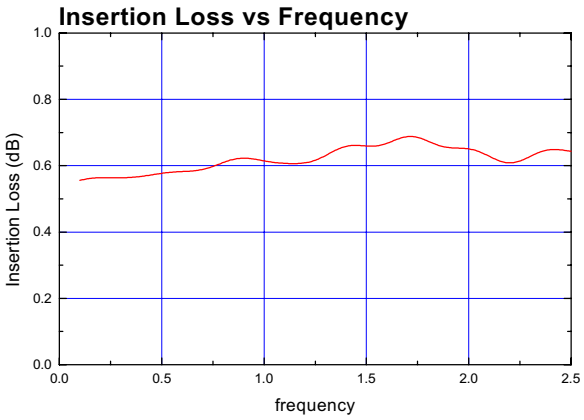
Note: All measurements made in a 50Ω system with 0/+5V control voltages, unless otherwise specified.

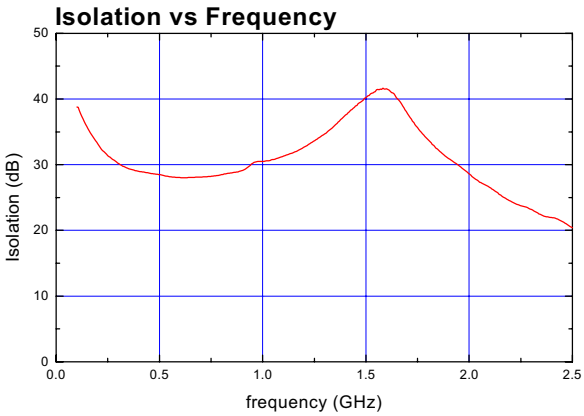
Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power >100MHz	33dBm
Control Voltage	+8V
Operating Temperature	-40°C to +85°C
Storage Temperature	-65°C to +150°C

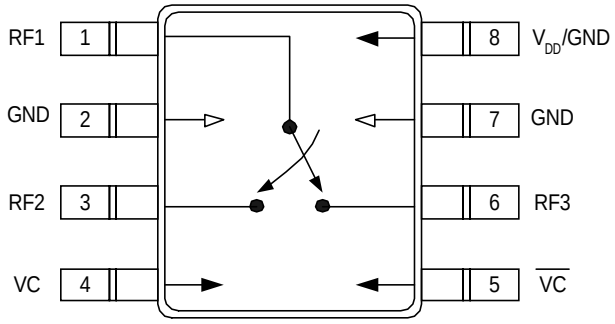


Typical Performance





Pin Out



Truth Table

VC	$\overline{VC}$	RF1-RF2	RF1-RF3
1	0	Isolation	Insertion Loss
0	1	Insertion Loss	Isolation

'0' = 0 to –0.2V
'1'= +5V to +8V.